REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance.   The present amendment is being made to facilitate prosecution of the application.

I.   STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1-21 are pending.   Claims 1, 9 and 15 are independent and hereby amended.   No new matter has been added.   It is submitted that these claims, as originally presented, were in full compliance with the requirements of 35 U.S.C. §112.   Changes to claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112.   Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicant is entitled.

II.   SUPPORT FOR AMENDMENT IN SPECIFICATION

Support for this amendment is provided throughout the Specification as originally filed and specifically at paragraphs [0037], [0048]-[0049] and [0052]-[0053] and Fig. 11 of Applicant's corresponding published application.   By way of example and not limitation:

> [0037] To the controller 5, the storing means 4 is connected for storing antenna selection information D1 indicative of the correspondence relationship between the communication-targeted wireless terminal apparatus 400 and each of the antennas 501, 502. For example, **the correspondence relationship between the communication-targeted wireless terminal apparatus 400 and each of the antennas 501, 502 is translated into the form of an antenna table**. A RAM (a memory which is writable and readable

whenever necessary) is employed as the storing means 4 and the RAM is also used as a work memory. In this embodiment, the antenna selection information D1 is information for selecting either one of two antennas 501, 502. To the antenna selection information D1, ID information indicative of the communication-targeted wireless terminal apparatus 400 located within the communication area created by each of the directional patterns is corresponded so as to constitute an unillustrated antenna table. Using this antenna table, the optimum antenna 501 or 502 corresponding to the communication-targeted wireless terminal apparatus 400 located within the communication area created by each of the directional patterns can be managed.

[In the Case Where Data is Transmitted from the Wireless Communication Apparatus 1 to the Wireless Terminal Apparatus 400 [#1]]

[0048] In this case, the antenna table is referred by the wireless communication apparatus 1 in Step A8, and the optimum antenna body [ANT1] for the wireless terminal apparatus 400 [#1] is selected. Then, based on the antenna selection information D1, an antenna selection signal Si is outputted to the antenna switch 2. As a result, the contact point a1 connected to the antenna 501 is connected with the transceiver means 3. By use of thus-connected antenna 501, in Step A9, data is transmitted to the wireless terminal apparatus 400 [#1] located in the direction of the pertinent directional pattern to execute communication processing (see {circle around (7)} in FIG. 3). After that, the process proceeds to Step A12.

[0049] As to this kind of wireless communication system 10, a conventional method and the method of the present invention for exemplified processing of the wireless data transmission to the wireless terminal apparatus 400 [#1] is compared with each other. **According to the conventional wireless communication method**, the data which the wireless communication apparatus 1 has received last is the connection request signal SC from the wireless terminal apparatus 400 [#2]. Specifically, when there is no antenna table, since this signal SC is received from the antenna 502, the conventional method employs a sequence where the data is transmitted to the wireless terminal apparatus 400 [#1] using the antenna 502 again. **Contrary to this, in the method of the present invention, when data is transmitted to the wireless terminal apparatus 400 [#1], the wireless communication**

apparatus 1 refers to the antenna table and identifies "ANT1" as the optimum antenna body for the wireless terminal apparatus 400 [#1]. Therefore, communication processing is established with the wireless terminal apparatus [#1] using the antenna 501.

[In the Case Where Data is Transmitted from the Wireless Communication Apparatus 1 to the Wireless Terminal Apparatus 400 [#2]]

[0052] In this case as well, the wireless communication apparatus 1 refers to the antenna table in Step A8 to select "ANT 2" which is the optimum antenna body for the wireless terminal apparatus 400 [#2]. Then, an antenna selection signal S1 is outputted to the antenna switch 2 based on the antenna selection information D1. As a result, the contact point b1 connected with the antenna 502 is connected with the transceiver means 3. By use of the antenna 502 connected here, data is transmitted, etc. to the wireless terminal apparatus 400 [#2] located in a direction of the pertinent directional pattern in Step A10 to make communication processing (see {circle around (9)} in FIG. 3). After that, the process proceeds to Step A12.

[0053] As to this kind of wireless communication system 10, a conventional method and the method of the present invention for exemplified processing of the wireless data transmission to the wireless terminal apparatus 400 [#2] is compared with each other. **According to the conventional wireless communication method**, the data which the wireless communication apparatus 1 has received last is the data from the wireless terminal apparatus 400 [#1]. Specifically, when there is no antenna table, since this data is received from the antenna 501, the conventional method employs a sequence where the data is transmitted to the wireless terminal apparatus 400 [#2] using the antenna 501 again. **Contrary to this, in the method of the present invention, when data is transmitted to the wireless terminal apparatus 400 [#2], the wireless communication apparatus 1 refers to the antenna table and identifies "ANT2" as the optimum antenna body.** Therefore, data transmission to the wireless terminal apparatus 400[#2] is made using the antenna 502.

III.   RESPONSE TO REJECTIONS UNDER 35 U.S.C. §103(a)

Claims 1-21 were rejected under 35 U.S.C. §103 as allegedly unpatentable over

Japanese Patent No. JP 2000-232458 to Yokogawa et al. (hereinafter, merely "Yokogawa") in

view of U.S. Patent Application Publication No. 2001/0015967 to Sugiura (hereinafter, merely

"Sugiura"), Japanese Patent No. JP 2000-232456 to Yokogawa et al. (hereinafter, merely

"Yokogawa (JP 2000-232456)") and U.S. Patent Application Publication No. 2001/0034236 to

Tong (hereinafter, merely "Tong").

Claim 1 recites, *inter alia*:

… storage processing of **an antenna table indicating a correspondence relationship between said communication-targeted wireless terminal apparatus and each of said antenna bodies**; and

at the time of making wireless communication, selection processing of the antenna body that corresponds to the pertinent wireless terminal apparatus **based on the antenna table indicating the correspondence relationship stored beforehand**…   (Emphasis added)

As understood by Applicant, Tong relates to interference reduction in cellular

wireless data transmissions in such wireless networks to increase data handling capacity.

Applicant submits that neither Yokogawa nor Sugiura nor Yokogawa (JP

2000-232456) nor Tong, taken alone or in combination, would disclose or render predictable the

above-identified features of claim 1.   Specifically, none of the references used as a basis for

rejection discloses or renders predictable "storage processing of **an antenna table indicating a**

correspondence relationship between said communication-targeted wireless terminal

apparatus and each of said antenna bodies; and at the time of making wireless

communication, selection processing of the antenna body that corresponds to the pertinent

wireless terminal apparatus **based on the antenna table indicating the correspondence**

relationship stored beforehand," as recited in claim 1.

        The Office Action (see page 4) asserts that Yokogawa(JP 2000-232458) discloses

at the time of making wireless communication, selection processing of the antenna body that

corresponds to the pertinent wireless terminal apparatus based on the storage processing of the

correspondence relationship stored beforehand, and refers to Yokogawa, paragraph 12.

Applicant notes that to Yokogawa (JP 2000-232458) is in Japanese, and thus relies on a machine

translation of the reference provided by the Office; citations are from this machine translation.

Yokogawa (JP 2000-232458), paragraph [0012] is reproduced as follows:

> [0012]When the key station 1 performs the data communications
> (getting down data communications) to the already managed child
> stations 2a-2c, for example, While performing the notice etc. of
> data signal slot DS1-DS3 and DL4 used for data communications
> with the child stations 2a-2c using an enabling signal in the key
> station 1, Wireless transmission of the data signal is carried out
> using slot DS1-DS3 and DL4 notified, and wireless transmission of
> the reception confirmation signals, such as ACK and NAK, is
> carried out to the key station 1 according to the receiving condition
> of the data signal concerned in the child stations 2a-2c. **The data**
> **communications to the child stations 2a-2c concerned are**
> **performed in this case in the key station 1 using the already**
> **managed sector unit about the child stations 2a-2c used as the**
> **address which carries out wireless transmission of the data**
> **signal**.

        Applicant submits that Yokogawa describes "the data communications to the

child stations 2a-2c concerned are performed in this case in the key station 1 using **the already**

managed (stored) sector unit about the child stations 2a-2c used as the address which carries

out wireless transmission of the data signal." However, Yokogawa teaches nothing about selecting antenna based on **an antenna table indicating a correspondence relationship between said communication-targeted wireless terminal apparatus and each of said antenna bodies.** Therefore, Yokogawa fails to disclose or render predictable "storage processing of **an antenna table indicating a correspondence relationship between said communication-targeted wireless terminal apparatus and each of said antenna bodies**; and at the time of making wireless communication, selection processing of the antenna body that corresponds to the pertinent wireless terminal apparatus **based on the antenna table indicating the correspondence relationship stored beforehand,**" as recited in claim 1.

Furthermore, this deficiency of Yokogawa (JP 2000-232458) is not cured by the supplemental teaching of Sugiura or Yokogawa (JP 2000-232456) or Tong.

Therefore, Applicant submits that independent claim 1 is patentable and respectfully request reconsideration and withdrawal of the rejection.

For reasons similar to, or somewhat similar to, those described above with regard to independent claim 1, independent claims 9 and 15 are also patentable, and Applicant thus respectfully requests reconsideration of the rejections thereto.

IV.   DEPENDENT CLAIMS

The other claims in this application are each dependent from one of the independent claims discussed above and are therefore believed patentable for at least the same reasons. Applicant thereby respectfully requests reconsideration and withdrawal of rejections thereto. Because each dependent claim is also deemed to define an additional aspect of the

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invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

CONCLUSION

Because Applicant maintains that all claims are allowable for at least the reasons presented hereinabove, in the interests of brevity, this response does not comment on each and every comment made by the Examiner in the Office Action. This should not be taken as acquiescence of the substance of those comments, and Applicant reserves the right to address such comments.
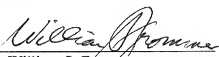
In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, or references, it is respectfully requested that the Examiner specifically indicate those portions of the reference, or references, providing the basis for a contrary view.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicant respectfully requests early passage to issue of the present application.

Respectfully submitted,

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